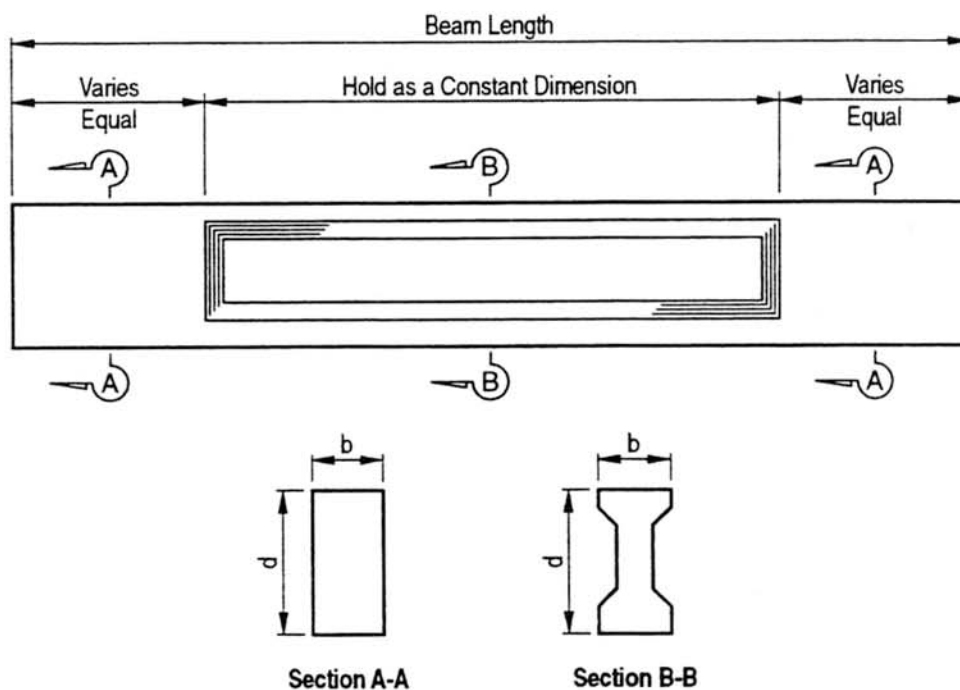


Economical Precast Girders

Precast girders become the optimum solution where falsework is restricted or speed of construction is an issue. However, in any situation where large quantities of girders are required and details repeatable, precast girders can effectively compete against cast-in-place construction.

The following guidelines should be used to obtain an economical precast girder project.

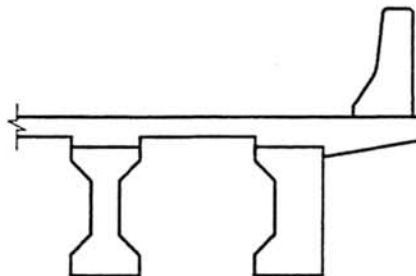
Constant/Variable Dimensions



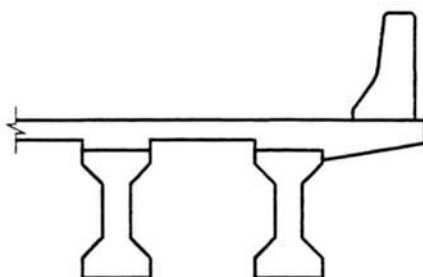
Supersedes Memo to Designers 11-9 dated December 1988

Widenings

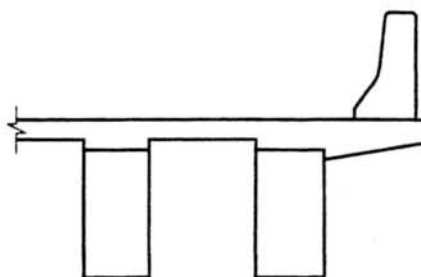
Use only one girder shape so precastor does not have to set up two forms.



Typical Section - Not Economical



Economical Option "A"



Economical Option "B"

Girders to Avoid

PC/PS inverted-tee girders have been used in the past where aesthetics have required a closed soffit appearance. These girders are very heavy with hauling either uneconomical or impossible under overload policies.

Floyd L. Mellon
Floyd L. Mellon

EKT:jgf

Jerry A. McKee
Jerry A. McKee